

California OES Weather Threat Briefing

Sunday, December 16, 2018
9:00 AM PST

- **Day 1 Primary Hazards:** Storm system bringing periods of rain, significant mountain snowfall, and strong and gusty winds across Northern CA today and into Monday. Only low potential for any minor debris flow type impacts on northern CA burn scars.

National Weather Service
Western Region Headquarters
Regional Operations Center
Salt Lake City, UT



Key Points

12/16/18 - 12/22/18

Sunday-Monday

- Difficult travel for high-profile vehicles due to strong south winds across Coastal and Inland Region with strong south winds ahead of the front today-tonight
- Moderate storm system still on track to bring precipitation across CA (see slides #6-7)
 - Mainly Northern and Central CA, with low potential for burn scar impacts
 - Rain chances Central Coast and Southern California tonight into Mon., with no impacts to southern burn scars
 - Isolated thunderstorms possible Coastal areas today, and Central Coast and southern Inland Region into Monday
 - Difficult travel likely due to southern Cascades and Sierra snowfall of 10-18 in. and gusty winds this afternoon – Mon. morning. Snow levels 5000-6000 ft in the Sierra
 - Heaviest snowfall and gusty winds overnight tonight
- Minor coastal flooding potential early Monday at high tide along the central coast, with beach erosion, very strong rip currents, and possible damage to piers and coastal structures



Key Points

12/16/18 - 12/22/18

Tuesday-Saturday

- Forecast now showing better chances for significant rainfall again Monday night into Tuesday for extreme northwest CA. No significant impacts expected
- Off-shore Santa Ana winds return for middle of next week, but no significant fire weather related impacts are expected
- Minor coastal flooding potential continues early Tuesday at high tide along the central coast, with additional beach erosion, very strong rip currents, and possible damage to piers and coastal structures



California Weather Impacts

12/16/18 - 12/22/18

<u>Hazards / Day</u>	SUN	MON	TUE	WED	THU	FRI	SAT
Non-Thunderstorm Damaging Winds	Coastal/ Inland						
Snow	Inland	Inland					
Coastal Flooding	Southern	Southern	Southern				
River Flooding							
Thunderstorms (Wind / Hail / Tornadoes)	Coastal	Coastal/ Inland					
Fire Weather (Low Humidity / Wind / Dry Thunderstorms)							
Heat Risk							
Heavy Rain / Flash Flooding / Debris Flow	Coastal/ Inland	Coastal/ Inland	Coastal				
Extreme Cold							



No Impacts



Minimal Impacts



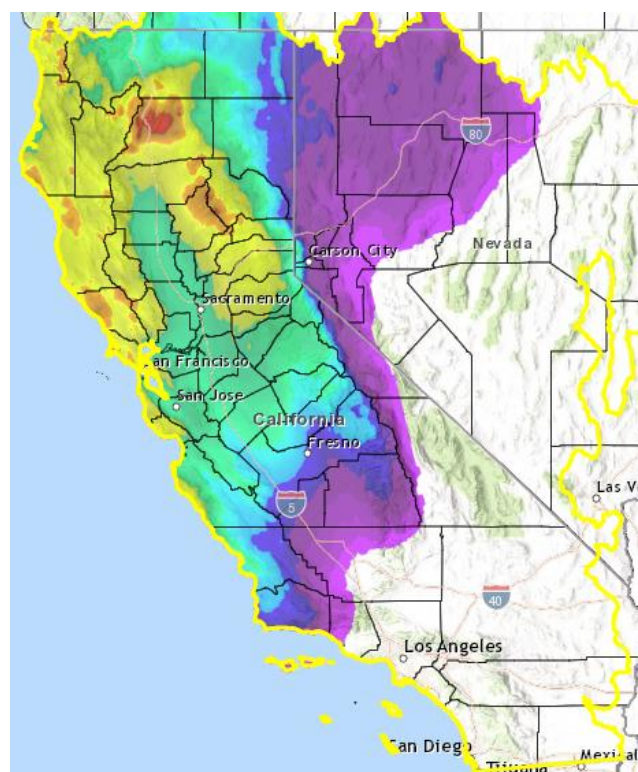
Moderate Impacts



Severe Impacts

Precipitation Forecast

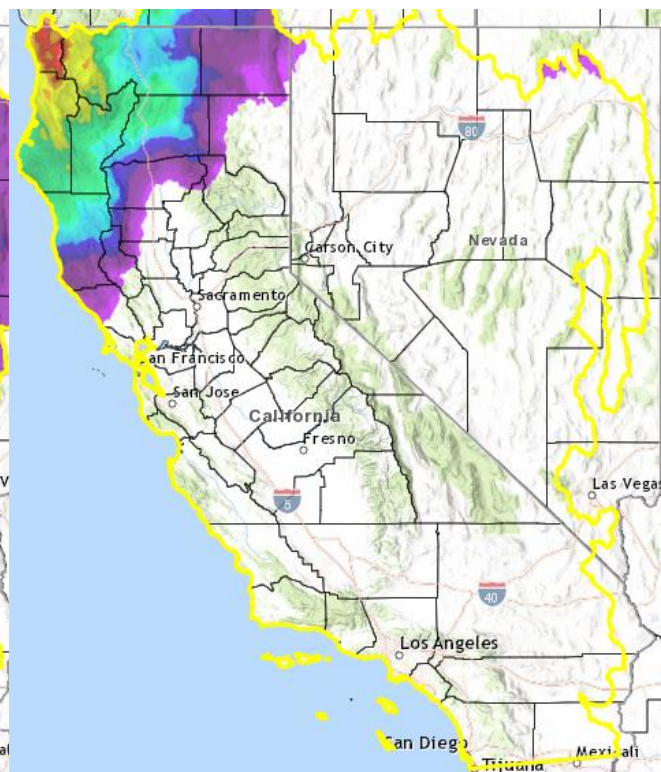
Precipitation (inches)



Sunday



Monday



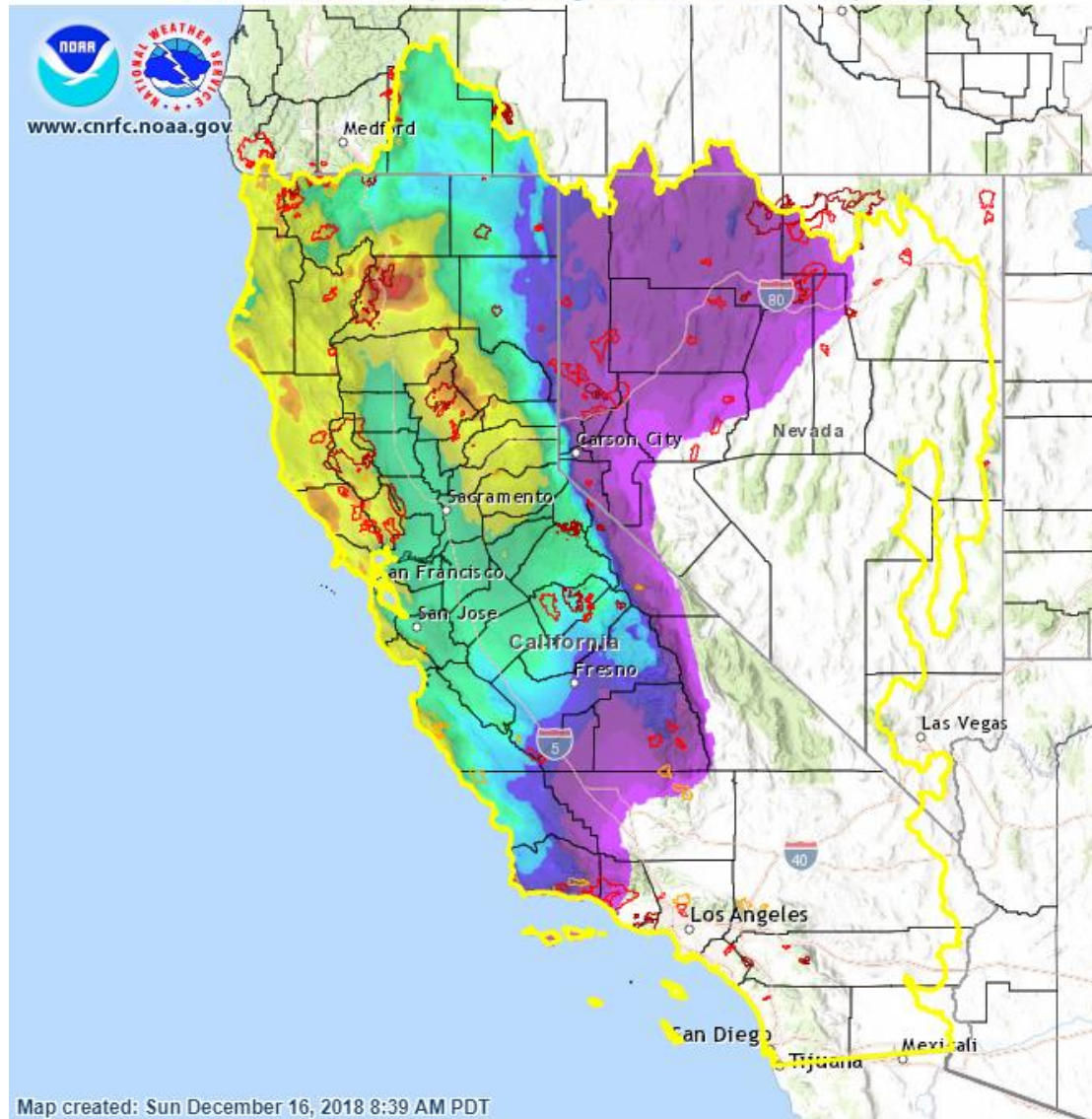
Tuesday



Sunday/Sunday Night Precipitation Forecast

24-Hour Precipitation Forecast

Sun Dec 16 04 AM PST (16/12Z) through Mon Dec 17 04 AM PST (17/12Z)



Precipitation (inches)



Sunday/Sunday Night Precipitation Forecast

Burn Area Concerns:

- Low potential for debris flows on recent burn scars in Northern CA Sierra foothills
- Impactful rainfall rates are not expected across southern CA burn scar areas

General Rainfall amounts:

- 2.50-3.50" Western Shasta County above Shasta Lake
- 1.25-2.75" North Bay Mountains, southern Cascades and Sierra foothills (below 5500-6000 ft)
- 1.00-2.00" North Bay Valleys, Santa Cruz, and Santa Lucia Mountains, Northwest Coast
- 0.5-1.50" Northwest coast areas, Bay Area Urban Locations and Valleys south of the Golden Gate, Sacramento and northern San Joaquin Valleys
- 0.25-0.50" San Luis Obispo County coast
 - Locally up to 1.00" in foothills of NW San Luis Obispo County
- 0.10" or less for southern San Joaquin Valley and coastal areas south of Point Conception



6-10 Day Outlook (Dec 21-25)

Temperatures

- Above normal temperatures favored statewide.

Precipitation

- Below average precipitation favored for southern CA, with above normal precipitation favored for northern CA

8-14 Day Outlook (Dec 23-29)

Temperatures

- Above normal temperatures favored statewide

Precipitation

- Near normal precipitation favored for central and southern CA, with above normal precipitation slightly favored for northern CA



Information provided by:

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